

## PATENT ABSTRACTS OF JAPAN

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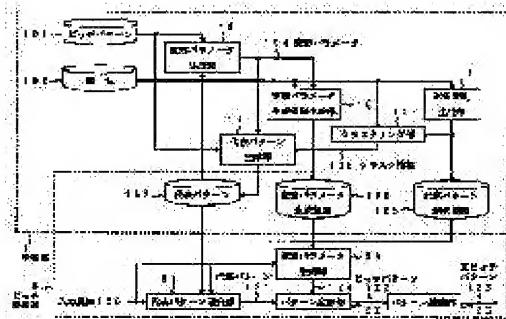
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## (54) VOICE INFORMATION PROCESSING METHOD

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To enhance the naturalness of synthetic sounds by a text voice synthesis by generating a representative pattern based on the evaluation function of an error with respect to the pitch pattern of a natural voice having a pitch pattern to be generated by performing a deformation to the representative pattern.

**SOLUTION:** A representative pattern in which the pitch pattern to be generated by performing the deformation in accordance with an input attribute with respect to the representative pattern becomes near the pitch pattern of the natural voice is generated. Then, a synthetic voice having a naturalness near the natural voice is made to be generated by generating a pitch pattern while using this representative pattern. In a voice information processor, a pitch control system 2 operates when the text voice synthesis is to be performed and a learning system 1 generates the representative pattern or the like by performing learnings in advance. The system 1 generates the representative pattern or the like by using great numbers of pitch patterns 101 corresponding to meter units and attributes 102 corresponding to the pitch patterns 101.



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